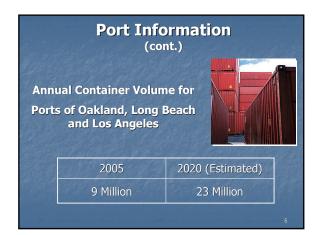


## Agenda Background Goods Movement Port Information ARB's "Port Truck Report" San Pedro CAAP/Truck Replacement Programs On-Road Vehicles Control Measure Comments – ARB Draft Report Regulatory Timeline Contact Information Open Discussion

## Background ARB Emission Reduction Plan for Ports and Goods Movement in California Emission Sources: Ships Locomotives Harbor Craft Cargo Handling Equipment Heavy Duty Diesel Trucks

# Port Information • Health Risk • Greater than 10 in a Million • Emission Inventory • Statewide Emissions - Goods Movement: - Diesel PM ~ 50 tons per day (TPD) - NOx ~ 1,100 TPD • Port Truck Emissions: - Diesel PM ~ 1.6 TPD - NOx ~ 19 TPD



nation
~12,000
Older than avg.

## ARB's Port Truck Report Goals/Objectives — 3 Initial Strategies Strategy 1: Replace pre-1994 trucks Install DPFs Low Cost Low NOx reductions Strategy 2: Replace pre-2003 trucks Install DPFs High Cost High Nox reductions

### ARB's Port Truck Report (cont.) Strategy # 3: Replace the oldest trucks and install controls on the entire fleet. Establish emission criteria for trucks entering port service. Beginning 2017 and by 2019, trucks will further reduce emissions by meeting 2010 engine standards

· Evaluate potential incentives

### ARB's Port Truck Report (cont.) Retrofit Technologies Verification of Diesel Emission Control Strategies Hardware Diesel Emission Control Strategies: Diesel Particulate Filters: Passive Active NOx Catalyst Fuel Borne Catalyst Flow through Filters

### San Pedro CAAP & Truck Replacement Programs

- San Pedro Clean Air Action Plan
- Gateway Cites
   ~ 400 Trucks Replaced
- Port of Oakland ~ 15 Trucks Replaced



### On-Road Vehicles Control Measure

- Will effect all heavy duty diesel vehicles with GVWR greater than 14,000 lbs.
- Board Consideration Mid 2007
- Website:

http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm



### **Comments – ARB Draft Report**

- Truck Owners Economics
- Funding
- Accurate Data
  - · Additional Research
- Why Two Plans
- Implementation
- Enforcement



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### Comments – ARB Draft Report (cont.)

- Fleet Fluidity
- Outreach
- Replacement Truck Availability
- Fleet/Container Growth/Infrastructure
- Legal Authority

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### Regulatory Timelines: - Starting 2006: Outreach with stakeholders - Fall 2007: Board consideration Contact Information: Michael Miguel, Manager Phone: (916) 445-4236 email: mmiguel@arb.ca.gov Website: http://www.arb.ca.gov/msprog/onroad/porttruck/porttruck.htm

